

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should cross-referenced with the program specification.

1. Teaching Institution	Ministry of Higher Education and Scientific Research
2. University Department/Centre	University of Kirkuk-college of Dentistry
3. Course title/code	Pharmacology,DEBS-320
4. Modes of Attendance offered	Theoretic lectures
5. Semester/Year	Two semester
6. Number of hours tuition (total)	60hours theory and 60 hours practical
7. Date of production/revision of this specification	2020-2021
8. Aims of the Course	Teaching the students in details for each drug how the drug enter the body, then doing its action, and finally excreted out the body by using advanced technology to do the goal of teaching.

9. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Cognitive goals .

A1.the student

acquires adequate

knowledge of the

scientific terms

used in medicine

A2.the student becomes acquainted with the different types of material and devices used in the manufacture of medicine

A3.enhancing the students confidence to deal with all types of patients and prescribe medication for them

A4.

A5.

A6 .

B. The skills goals special to the course.

B1. Teaching the students in details and for each drug about how the drug enter the body, then doing its action, and finally excreted out the body by using advanced technology to do the goal of teaching.

B2.

B3.

Teaching and Learning Methods

Performing practical experiments in pharmacology lab.to clarify the action of drugs

Use educational videos show the pharmacokinetic and pharmacodynamics of

Visits to pharmaceutical factory and laboratories

Assessment methods

Examinations

Seminars and other activities

Sharing in scientific festivals and conference

C. Affective and value goals

C1.aquisition of knowledge about medicines

C2.the skill of making the right decision for the benefit of the patient and based on logical thinking

C3.linking information about medicines and the mechanism of action of the medicine to physiology and diseases

C4.

Teaching and Learning Methods

-theoretical lectures as power point using data show

-educational videos

-guiding students to visit some scientific websites

-Conduct experiments in pharmacology lab

Assessment methods

-Theoretical examination

-Practical examination

-Quiz

-Seminars

-Oral examinations

D. General and rehabilitative transferred skills (other skills relevant to employability and personal development)
 D1. Preparing the student practically in terms of applying knowledge
 D2. Thinking about solving problems
 D3. Teaching professional ethics
 D4. Develop the student's ability to learn using new methods.

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2	General (introduction) Pharmacology	Pharmacology	Theoretical lecture using power point	short exam, semester, mid and final exam
2	2	Pharmacokinetics & Pharmacodynamics	Pharmacology	Theoretical lecture using power point	short exam, semester, mid and final exam
3	2	Cholinergic system (agonists) & Cholinergic antagonists or blockers	Pharmacology	Theoretical lecture using power point	short exam, semester, mid and final exam
4	2	Adrenergic system & Adrenergic Agonists	Pharmacology	Theoretical lecture using power point	short exam, semester, mid and final exam
5	2	Adrenergic Antagonists	Pharmacology	Theoretical lecture using power point	short exam, semester, mid and final exam
6	2	Anxiolytic and Hypnotic		Theoretical lecture using power point	short exam, semester, mid and final exam

		drugs			
7	2	Narcotic analgesics	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
8	2	Non-narcotic analgesics (NSAIDs)	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
9	2	Local anesthetics	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
10	2	General anesthetics	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
11	2	Antipsychotic drugs	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
12	2	Antiepileptic drugs	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
13	2	CNS stimulant	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
14	2	Drugs acting on GIT and vomiting management	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
15	2	Anticoagulants	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
16	2	Adrenocortico-steroid Hormones	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
17	2	Autacoids	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
18	2	Drugs acting on respiratory	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam

		ry system			
19	2	Thyroid hormone s and antithyroid drugs	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
20	2	Insulin and oral hypoglycemic drugs	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
21	2	Insulin and oral hypoglycemic drugs	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
22	2	Drug acting on cardiovascular system	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
23	2	Drug acting on cardiovascular system	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
24	2	Antibacterial	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
25	2	Antibacterial	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
26	2	Antifungal	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
27	2	Antiviral	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
28	2	Cytotoxic	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
29	2	Drug	Pharmacology	Theoretical	short exam

		interaction		lecture using power point	,semester ,mid and final exam
30	2	Drug acting on cardiovascular system	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
31	2	Antibiotic prophylaxis in dentistry	Pharmacology	Theoretical lecture using power point	short exam ,semester ,mid and final exam
					Practical Pharmacology
1	2	Introduction, definition			
2	2	Pharmaceutical formula(internal)			
3	2	Pharmaceutical formula(external)			
4	2	metrology			
5	2	Routes of drug excretion			
6	2	Measurement of concentration and dose calculation			
7	2	Routes of drug administration			
8	2	Biological variability			

		y			
9	2	Drug acting on rabbit eye			
10	2	Hypoglycemic effect of insulin over dose(mice)			
11	2	LD50, ED50 and therapeutic index			
12	2	General anesthesia			
13	2	Organophosphorous toxicity in chicks			
14	2	Effect of drug on blood pressure			
15	2	Seminar(dental pain)			
16	2	Seminar(local anesthesia)			
17	2	Effect of premedication on General anesthesia			
18	2	Seminar(topical uses of antibiotic)			

19	2	Seminar(infection caused by drugs)			
20	2	Triple response			
21	2	Determin ation of Na, K ,and CL in blood			
22	2	CNS stimulant on the frog			
23	2	Local anesthesi a			
24	2	Drug acting on the respirato ry system			
25	2	Neuro behavior al tests in rat and mice			
26	2	Prescript ion writing			
27	2	Drug compatib ility			
28	2	Analgesi c drug in mice(tra madol)			
29	2	Dose modifica tion in renal impairm ent			

30	2	Dose monitoring in children			
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11. Infrastructure	
1. Books Required reading:	Lippincott illustrate review of pharmacology
2. Main references (sources)	Katzung pharmacology
A- Recommended books and references (scientific journals, reports...).	Principle of drug therapy in dentistry
B-Electronic references, Internet sites...	
12. The development of the curriculum plan	
Check out curriculum of the world prestigious universities to raise the level of science in order to develop with science and work in twinning with most important and developed universities.	

